

## ABSTRACT

A cooling system for an engine wherein a cylinder block side is mounted with a stagnation chamber for detaining, around a temperature-sensing unit of a sub-thermostat, a portion of cooling water discharged to a high temperature passage via an outlet of a cooling water passage of the cylinder block side such that the opening and closing of the sub-thermostat is modulated by the temperature of the cooling water at the cylinder block side. The cooling system includes a main thermostat and a sub-thermostat for individually controlling the flow of cooling water in a cylinder block and a cylinder head. The stagnation chamber, where cooling water discharged from the cylinder block is stagnated, is installed inside a sub-thermostat housing, *i.e.* where a sub-thermostat is mounted. The stagnation chamber is positioned therein with a temperature-sensing unit. The stagnation chamber communicates with a cooling water discharge passage of the cylinder head via a confluence passage.